

Biggers & Ohanian, LLP*Patent Attorneys*

504 Lavaca Street, Suite 970
 Austin, Texas 78701-2356
 (512) 472-9881
 cathy@biggerslaw.com

RECEIVED
CENTRAL FAX CENTER

OCT 19 2004

FACSIMILE TRANSMITTAL SHEET**DATE:** October 19, 2004**TO:** Mail Stop: Amendment **Group Art Unit:** 3661**COMPANY:** United States Patent and Trademark Office**FACSIMILE NO:** 703-872-9306**FROM:** H. Artoush Ohanian, Reg. No. 46,022**RE:** Supplemental IDS; Entitled: Atty. Docket No.:
 "Navigating a UAV" AUS920030676US1 (188)**SERIAL NO.:** 10/692,169**NUMBER OF PAGES:** (Including Cover) 7**COMMENTS:** Please see attached.Certificate of Transmission by Facsimile under 37 C.F.R. 1.8

I hereby certify that this correspondence is being transmitted via facsimile to Commissioner for Patents at 703-872-9306 on the date of signature below.

Catherine Berglund
 Catherine Berglund
 October 19, 2004
 Date

Confidentiality Notice: Unless otherwise indicated or obvious from the nature of the transmittal, the information contained in this facsimile message is attorney-client privileged and confidential information intended only for the use of the intended recipient named above. If you are not the intended recipient, then any dissemination, distribution, or copying of this communication is strictly prohibited. If you received this distribution in error, please immediately notify the sender by telephone at our expense.

Docket No. AUS820030676US1

RECEIVED
CENTRAL FAX CENTER
OCT 19 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
 William Kress Bodin, *et al.*

§ Group Art Unit: 3661
 §

Serial No.: 10/692,169

§ Examiner: Unknown

Filed: October 23, 2003

§ Atty Docket No.: AUS920030676US1

Title: Navigating a UAV

§
§
§
§

Mail Stop: Amendment
 Commission for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on the date below:

Date: 10-19-04Signature: Catherine Berglund
 Catherine Berglund**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

Submitted herewith are patents, publications or other information of which the undersigned is aware, which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Supplemental Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with CFR 1.97(b) the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits. 37 CFR 1.97(b).

A list of the patents(s) and/or publications(s) is set forth on the attached Forms PTO/SB/08a & b.

A concise explanation of the items listed on PTO/SB/08a is not given.

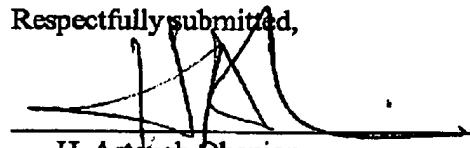
Docket No. AUS820030674US1

The person making this statement is the attorney who signs below on the basis of the information in the attorney's file.

Date: 10.19.04

By:

Respectfully submitted,



H. Artoush Ohanian
Reg. No. 46,022
Biggers & Ohanian, LLP
504 Lavaca Street, Suite 970
Austin, Texas 78701-2856
Telephone: (512) 472-9881
Facsimile: (512) 472-9887
ATTORNEY FOR APPLICANT(S)

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 14

Complete If Known

Application Number	10/692,169
Filing Date	10/23/2003
First Named Inventor	William Kress Bodin
Art Unit	3661
Examiner Name	Unknown

Attorney Docket Number AUS920030676US1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cits No. ¹	Document Number Number-Kind Code ² (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,890,441			
		US- 6,056,237			
		US- 6,130,705			
		US- 6,219,004			
		US- 6,377,875			
		US- 6,498,968			
		US- 2001/0035995			
		US- 5,581,250			
		US-			T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (If known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 600. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. *Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.87 and 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**RECEIVED
CENTRAL FAX CENTER**

OCT 19 2004

PTO/SB/088 (08-03)

Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number 10/692,169 Filing Date 10/23/2003 First Named Inventor William Kress Bodin Art Unit 3661 Examiner Name Unknown	
Sheet	2	of	4
		Attorney Docket Number	
		AUS920030676US1	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SUTCLIFFE, et al.; Decentralised Data Fusion Applied to a Network of Unmanned Aerial Vehicles; Inspec AN 7289965; Feb. 2002; pp 71-76; Piscataway, NJ; USA	
		JOHNSON, et al; Improving Geolocation and Spatial Accuracies with the Modular Integrated Avionics Group; Inspec AN 5467118; pp 88-97; April 1996; SPIE-Int. Soc. Opt.; England	
		GUNAPALA, et al.; QWIP Technology for Both Military and Civilian Applications; Inspec AN 7255522; April 2001; pp 498-505; SPIE-Int. Soc. Opt.; England	
		SPENNY, et al; Closely Supervised Control of a Target-Steered UAV; Inspec AN 6652724; Sept 1999; pp 179-190; SPIE-Int. Soc. Opt.; England	
		RQ-1 Predator Unmanned Aerial Vehicle; May 2002; pp 1-3; U.S. Air Force Fact Sheet; USA	
		GORMLEY, et al; Controlling Unmanned Air Vehicles: New Challenges; March 2003; pp 1-21; Commissioned by the Non-Proliferation Education Center; USA	
		YOUNG; Unmanned Aerial Vehicles Web Site; pp 1-2; NASA GSFC/Wallops Flight Facility, Wallops Island, VA; USA	
		Airborne Autonomous Systems....where information technology and aviation meet; Unmannedaircraft.com Website; July 22, 2003; pp 1-17; USA	
		STELLMAN, et al.; War Horse; April 2001; Inspec. AN 7295892; Vol 4379; pp 339-346; SPIE-Int. Soc. Opt.; USA	
		DITTRICH, et al.; 21st Digital Avionics Systems Conference; October 2002; Inspec. AN 7614545; Vol 2; IEEE; Piscataway, NJ; USA	

Examiner Signature		Date Considered
--------------------	--	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/06B (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

3

of

4

Application Number

10/692,169

Filing Date

10/23/2003

First Named Inventor

William Kress Bodin

Art Unit

3661

Examiner Name

Unknown

Attorney Docket Number

AUS920030678US1

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		DITTRICH; Design and Integration of an Unmanned Aerial Vehicle Navigation System; Thesis; May 2002; pp i-52; Georgia Institute of Technology; USA	
		Figure 8: Data link module with removed side panel; pp 18-37; USA	
		Figure 17: Simulated GPS malfunction, on the ground, 15 sec; 38-52; USA	
		SOMERS; Unmanned Aerial Vehicle - Demonstration of Autonomous Flight, 09-9822; 1999 IR&D Home; pp 1-4; USA	
		BROWN, et al.; Airborne Reconnaissance XXIII; July 1999; pp 2-8; Vol. 3751; SPIE-Int. Soc. Opt; England	
		NETTLETON, et al.; Multiple Platform Localization and Map Building; Nov 2000; pp 337-347; Inspec AN 6979413; SPEI-Int. Soc. Opt. Eng; US	
		SCHUMACHER et al.; Adaptive Control of UAVs in Close-coupled Formation Flight; 2000; pp 849-853; Insp An 6770904; vol 6 Danvers, MA; US	
		SINGH et al; Adaptive Feedback Linearizing Nonlinear Close Formation Control of UAVs; 2000; pp 854-858; Inspec AN 6770905; vol 2; Danvers, Ma; US	
		21st Digital Avionics Systems Conference; 2002; Inspec AN 7614402; vol 1; IEEE; Piscataway, NJ; US	
		HALLBERG, et al.; Development of a Flight Test Systems for Unmanned Air Vehicles; Feb 1999; pp 55-65; IEEE vol. 19; Inspec AN 6176739; Monterey, CA; US	

Examiner Signature	Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/088 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete If Known

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

8

25

Attorney Docket Number

AU IS9200306761 IS1

Examiner Signature		Date Considered	
-------------------------------	--	----------------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.